WHAT IS CLAIMED IS:

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 A method of detecting the presence of a phospholipid in a biological material, comprising:

- a) subjecting a biological material to a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin;
- allowing binding between any phospholipid present and the binding agent; and
- c) detecting the presence of any phospholipid bound to the binding agent.
- The method of Claim 1, wherein:
 the phospholipid comprises phosphatidylserine.
- 3. The method of Claim 1, wherein:

the phospholipid comprises a phospho-L-serine moiety of phosphatidylserine.

4. The method of Claim 2, wherein:

the biological material comprises a cell, a cell membrane, a cell appendage, a cell fragment, a lipoprotein, or a cellular particle.

5. The method of Claim 4, wherein:

any binding in step b) is independent of any Ca⁺⁺ or phosphatidylethanolamine.

6. The method of Claim 4, wherein:

any binding in step b) is increased with increasing of cell membrane curvature.

7. The method of Claim 2, wherein:

any binding in step b) increases proportionally to the content of phosphatidylserine over a range of about 0-2%.

8. The method of Claim 4, wherein:

the cell membrane comprises a curved region.

9. A method of blocking or reducing binding of a protein to a binding site, comprising:

subjecting a binding site to a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin.

10. The method of Claim 9, wherein:

the binding site comprises a phospholipid or a lipoprotein.

11. The method of Claim 10, wherein:

the phospholipid comprises phosphatidylserine.

12. The method of Claim 10, wherein:

the phospholipid comprises a phospho-L-serine moiety of phosphatidylserine.

- 13. A method of detecting phosphatidylserine-expressing cells, comprising:
 - a) subjecting a biological material including, or suspect of including, phosphatidylserine-expressing cells to a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional

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equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin;

- b) allowing binding between any cells present and the binding agent; and
- c) detecting the presence of any phosphatidylserineexpressing cells bound to the binding agent.

14. The method of Claim 13, wherein:

the phosphatidylserine-expressing cells are selected from the group consisting of apoptotic cells, malignant cells, undifferentiated cells, immature cells, integrin-displaying cells, and a combination thereof.

- 15. A method of protecting a biological material from the action of an enzyme, comprising:
 - a) subjecting a biological material to be protected from an enzyme to a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin; and
 - allowing binding between the biological material and the binding agent to protect the biological material from the enzyme.

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16. A pharmacological bridge ligand, comprising:

lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, or a functional equivalent of a fragment of lactadherin.

- 17. A composition for detecting the presence of a phospholipid in a biological material, comprising:
 - a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin; and
 - b) a suitable carrier.

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- 18. A kit for detecting the presence of a phospholipid in a biological material, comprising:
 - a binding agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin; and
 - b) instructions for use of the binding agent.
- 19. The kit of Claim 18, wherein:

the phospholipid comprises phosphatidylserine.

20. The kit of Claim 18, wherein:

the phospholipid comprises a phospho-L-serine moiety of phosphatidylserine.

21. The method of Claim 13, wherein:

the phosphatidylserine - expressing cells comprise blood platelets or nucleated cells.

- 22. A method of blocking or reducing the procoagulant activity of a cell, comprising:
 - a) subjecting a cell to an agent selected from the group consisting of lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, and a functional equivalent of a fragment of lactadherin.
- 23. The method of Claim 22, wherein:

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the agent blocks or reduces the procoagulant activity of the cell by binding with a phospholipid exposed on the cell membrane.

24. The method of Claim 23, wherein:

the phospholipid comprises phosphatidylserine.

25. The method of Claim 24, wherein:

the cell comprises a blood platelet.

26. A probe for detecting the presence of a phospholipid in a biological material, comprising:

lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, or a functional equivalent of a fragment of lactadherin.

27. The probe of Claim 26, wherein:

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the phospholipid comprises phosphatidylserine.